

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| S1    | 933   | 375/147.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>17:43 |
| S2    | 563   | 375/149.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:24 |
| S3    | 360   | S2 and (@ad<"20000517" or<br>@pd<"20000517" or<br>@prad<"20000517" or<br>@rlad<"20000517") | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:44 |
| S4    | 2816  | (equalizer or equaliser) same<br>(code and signal)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:48 |
| S5    | 31047 | (error or reliab\$5) same<br>(multiplier or multiplies or<br>multiplicity)                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:50 |
| S6    | 415   | S4 and S5  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:59 |
| S7    | 0     | S3 and S6  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:51 |
| S8    | 3     | S2 and S6  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:51 |
| S9    | 9     | S1 and S6  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/03/05<br>18:59 |

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| S10 | 7     | ("6377611"   "6426973"   "6445692"   "6570863"   "6570864"   "6700923"   "6782036").PN. | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>11:53 |
| S11 | 1     | "09052501"  | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>11:55 |
| S12 | 19    | "6226318"   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>13:41 |
| S13 | 4158  | 375/140-149.ccls.   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>13:41 |
| S14 | 20172 | (equalize\$3 or filter\$3) same (decod\$3 or slice\$3) and (encoding or reencod\$3)     | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>13:44 |
| S15 | 20234 | (equalize\$3 or filter\$3) same (decod\$3 or slice\$3) and (encoding or re-encod\$3)    | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>13:45 |
| S16 | 411   | S13 and S15   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>13:46 |
| S19 | 361   | S16 and error   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>13:52 |
| S20 | 4     | (error near\$4 (signal or message))   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>13:48 |
| S21 | 4     | (error near\$4 (signal or message))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/06<br>13:50 |
| S23 | 247   | S19 and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")      | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:03 |
| S24 | 12019 | S15 and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")      | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:03 |
| S25 | 9068  | S24 and error   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:05 |
| S26 | 7620  | S25 and (code)  | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:06 |
| S28 | 7112  | S25 and (code\$3 same (vector or signal or sequence))                                   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:07 |
| S29 | 6335  | S25 and (code\$3 with (vector or signal or sequence))                                   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:08 |
| S32 | 5487  | S25 and (code\$3 near5 (vector or signal or sequence))                                  | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:13 |
| S33 | 4823  | S25 and (code\$3 near3 (vector or signal or sequence))                                  | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:13 |

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| S34 | 2954  | S25 and (code\$3 near (vector or signal or sequence))   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:13 |
| S35 | 2341  | S25 and (code\$3 adj (vector or signal or sequence))  | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:43 |
| S36 | 150   | S13 and S34   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:17 |
| S37 | 125   | S13 and S35   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/03/06<br>14:43 |
| S38 | 13815 | "712"/\$.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/06<br>14:46 |
| S39 | 35    | S35 and S38   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/06<br>17:29 |
| S40 | 80    | S36 and feedback  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/07<br>07:09 |
| S41 | 7     | ((equaliz\$3 or equalis\$3) same (decod\$3 or slic\$3) same (encod\$3 or re-encode \$3)) and ((error near3 (signal or message)) same (code near (vector or signal))) and multiplier | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>11:15 |
| S47 | 1488  | reliabl\$ adj2 (factor or signal) same (receiver or receiving or received)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>14:51 |
| S48 | 634   | S47 and @py<"2000"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>16:37 |
| S49 | 62    | S48 and equalis\$   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>16:38 |
| S50 | 11    | "3609682"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>18:02 |

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| S51 | 564  | (equaliz\$3 or equalis\$3) and (decod\$3 same (encod\$3 or re-encode\$3)) and (reliab\$ near3 (signal or message)) and (receiver or receiving)             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>18:21 |
| S52 | 140  | S51 and @py<"2000"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>18:21 |
| S53 | 195  | (equaliz\$3 or equalis\$3) and (decod\$3 same (encod\$3 or re-encode\$3)) and (reliab\$ near (signal or message)) and (receiver or receiving)              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>18:22 |
| S54 | 33   | S53 and @py<"2000"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/03/12<br>18:22 |
| S56 | 5    | ((signal) with (code near vector)) same (reliab\$5)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/27<br>11:43 |
| S58 | 1    | (code near vector) same (reliab\$5 near signal)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>11:29 |
| S59 | 6    | US-20030099316-\$.DID. OR US-6690723-\$.DID. OR US-6567481-\$.DID. OR US-6418164-\$.DID. OR US-6088389-\$.DID. OR US-9950983-\$.DID. OR US-4156575-\$.DID. | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/05/02<br>14:37 |
| S60 | 3    | ((code near vector) or (code) or (code\$3 near signal)) same ((reliab\$7 or qual\$4) near factor) same (error)) and (reencod\$3 or re-encod\$3)            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>11:36 |
| S61 | 3271 | decode\$4 same (reencod\$4 or re-encod\$5 or re encod\$5)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>13:03 |
| S62 | 66   | decode\$4 same (reencod\$4 or re-encod\$5 or re encod\$5) same equaliz\$4  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>13:03 |

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| S63 | 9    | decode\$4 same (reencod\$4 or re-encod\$5 or re encod\$5) same equaliz\$4 and (@ad< "20000517")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>15:02 |
| S64 | 1    | US-5673291-\$.DID.  | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/05/02<br>14:37 |
| S65 | 14   | decod\$4 same (reencod\$4 or re-encod\$5 or re encod\$5) same equaliz\$4 and (@ad< "20000517")  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>15:28 |
| S66 | 6    | decod\$4 same (reencod\$4 or re-encod\$5 or re encod\$5) same equaliz\$4 and (@ad< "20000517") and (least) and (largest or large \$4) and (thresh\$4) and (differen\$4) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>17:58 |
| S67 | 1118 | receiv\$4 signal value  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>17:57 |
| S68 | 0    | decod\$4 same (reencod\$4 or re-encod\$5 or re encod\$5) same equaliz\$4 and (@ad< "20000517") and (receiv\$4 signal value)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>17:59 |
| S69 | 18   | decod\$4 same (reencod\$4 or re-encod\$5 or re encod\$5 or encod\$3) same (equaliz\$4 or filter) and (@ad< "20000517") and (receiv\$4 signal value)                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>19:27 |
| S70 | 23   | (kerdock near encoder) and (kerdock near decoder)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>19:31 |
| S71 | 0    | (kerdock near encoder) and (kerdock near decoder) and @ad< "20000517"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>19:31 |
| S72 | 0    | (kerdock near decoder) and @ad< "20000517"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/02<br>19:31 |
| S73 | 8    | ("4517552"   "5285276"   "5452009"   "5572532"   "5938787"   "6219358"   "6226318"   "6762698").PN.   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2007/05/02<br>19:32 |

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| S74 | 1    | 09/572122  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/27<br>14:03 |
| S75 | 8597 | reliab\$5 with decod\$4  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/27<br>14:23 |
| S76 | 65   | (reliab\$5 with decod\$4) and<br>(code near vector) and<br>(@ad<"20000517" or<br>@pd<"20000517" or<br>@prad<"20000517" or<br>@rlad<"20000517")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/27<br>16:31 |
| S77 | 6960 | 375/341-346.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/27<br>16:31 |
| S78 | 6653 | 714/755-780.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/27<br>16:31 |
| S79 | 1697 | receiv\$4 same (code near2<br>vector)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>10:30 |
| S80 | 979  | (receiv\$4 same (code near2<br>vector)) and<br>(@ad<"20000517" or<br>@pd<"20000517" or<br>@prad<"20000517" or<br>@rlad<"20000517")               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>10:32 |
| S81 | 84   | (receiv\$4 same (signal near3<br>code near2 vector)) and<br>(@ad<"20000517" or<br>@pd<"20000517" or<br>@prad<"20000517" or<br>@rlad<"20000517")  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>10:32 |
| S82 | 5    | 09/052501  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>10:54 |
| S83 | 4    | (receiv\$4 same (kerdock<br>near3 code near2 vector))<br>and (@ad<"20000517" or<br>@pd<"20000517" or<br>@prad<"20000517" or<br>@rlad<"20000517") | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>11:04 |

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| S84 | 7    | (receiv\$4 same (kerdock near3 code)) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517") | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>11:04 |
| S85 | 1    | 09/572122  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>12:27 |
| S86 | 3    | (decod\$4 with (code near3 vector)) same (constellat\$5 or constel\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>13:42 |
| S87 | 3176 | (reliab\$5 near2 (factor or signal or measure)) same (receiv\$4 near2 signal)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>13:46 |
| S88 | 33   | (decod\$4 with (code near3 vector)) and (constellat\$5 or constel\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>14:35 |
| S89 | 4    | (decod\$4 same (code near3 vector)) same (constellat\$5 or constel\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>14:40 |
| S90 | 5    | (decod\$4 with (code near3 vector)) same (constellat\$5 or constel\$4 or QAM or psk)                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>14:47 |
| S91 | 23   | (decod\$4 same (code near3 vector)) same (constellat\$5 or constel\$4 or QAM or psk)                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>14:48 |
| S92 | 2066 | (decod\$4 same (code or vector)) same (constellat\$5 or constel\$4 or QAM or psk)                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>15:01 |
| S93 | 1312 | (decod\$4 with (code or vector)) same (constellat\$5 or constel\$4 or QAM or psk)                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>15:01 |

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| S94  | 161 | (decod\$4 same (code with vector)) and ((constellat\$5 or constel\$4 or QAM or psk) same decod\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>15:02 |
| S95  | 55  | (decod\$4 same (code with vector)) and ((constellat\$5 or constel\$4 or QAM or psk) same decod\$4) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517") | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>15:03 |
| S96  | 111 | (decod\$4 same (code with vector)) and ((correlat\$4 same referenc\$3) same decod\$4) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:14 |
| S97  | 69  | (decod\$4 with (code with vector)) and ((correlat\$4 same referenc\$3) same decod\$4) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:22 |
| S98  | 48  | (decod\$4 with (code with vector)) and ((correlat\$4 with referenc\$3) same decod\$4) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:23 |
| S99  | 2   | (decod\$4 with (code with vector)) and ((correlat\$4 with referenc\$3) same (code near3 vector)) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:25 |
| S100 | 19  | (decod\$4 with (code with vector)) and ((correlat\$4 same referenc\$3) same (code near3 vector)) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:26 |



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| S101 | 162 | ((code with vector)) and ((correlat\$4 with referenc\$3 with receiv\$4)) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:38 |
| S102 | 21  | (decod\$4 same (code with vector)) and ((correlat\$4 with referenc\$3 with receiv\$4)) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:39 |
| S103 | 12  | (decod\$4 same (code with vector)) and ((correlat\$4 with referenc\$3 with received)) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517")                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/04/30<br>18:39 |
| S104 | 13  | ((varying or vari\$4) near2 noise) with (adapt\$3 or optimiz\$4 or enhanc\$4) with equaliz\$4  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/20<br>14:59 |
| S105 | 9   | ((varying or vari\$4) near2 noise) same ((adapt\$3 or optimiz\$4 or enhanc\$4) with equaliz\$4 with tap\$2)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/20<br>15:03 |
| S106 | 478 | (decod\$3 with (soft-decision or (soft decision) or softdecision)) same (equaliz\$7)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/20<br>15:50 |
| S107 | 314 | "375"/\$.ccls. and (decod\$3 with (soft-decision or (soft decision) or softdecision)) same (equaliz\$7)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/20<br>15:50 |
| S108 | 122 | "375"/\$.ccls. and (decod\$3 with (soft-decision or (soft decision) or softdecision)) same (equaliz\$7) and (@ad<"20000517" or @pd<"20000517" or @prad<"20000517" or @rlad<"20000517") | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/20<br>15:50 |
| S109 | 10  | ("2001/0004390").URPN.   | USPAT  | ADJ | ON | 2008/10/20<br>15:57 |

|      |     |   |  |     |    |                     |
|------|-----|---|--|-----|----|---------------------|
| S110 | 16  | ("20010004390"  <br>"20020115463"  <br>"20030236081"  <br>"20040237025"  <br>"20050086570"  <br>"20050180036"  <br>"20050180364"  <br>"20050193308"  <br>"20060159187"  <br>"20060182194"  <br>"20060182195"  <br>"20060182202"  <br>"20060182203"  <br>"20060182210"   "5978365"  <br>"6094427").PN. | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2008/10/20<br>15:57 |
| S111 | 5   | ("5331662"   "6304995"  <br>"6459728"   "6662337"  <br>"6665357").PN.   | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON | 2008/10/20<br>16:03 |
| S112 | 74  | (decod\$3 with (soft)) same<br>equaliz\$5 same (weight or<br>coefficient)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/20<br>17:06 |
| S113 | 6   | us-6307901-\$.did. or us-<br>4800573-\$.did. or us-<br>6690723-\$.did.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/20<br>17:08 |
| S114 | 75  | ((decod\$3 with kerdock\$4) or<br>(walsh\$3 near4 transform\$5))<br>and ((decision with equaliz<br>\$4) or ((reliab\$4 or reliabil\$4)<br>near3 factor))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/21<br>10:26 |
| S115 | 12  | ((decod\$3 with kerdock\$4) or<br>(walsh\$3 near4 transform\$5))<br>and ((decision with equaliz<br>\$4) or ((reliab\$4 or reliabil\$4)<br>near3 factor)) and<br>(@pd<"20000517" or<br>@ad<"20000517" or<br>@prad<"20000517" or<br>@rlad<"20000517")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/21<br>10:27 |
| S116 | 147 | (@pd<"20000517" or<br>@ad<"20000517" or<br>@prad<"20000517" or<br>@rlad<"20000517") and<br>((decod\$3 with kerdock\$4) or<br>(walsh\$3 near4 transform\$5))<br>and ((decision with based<br>with equaliz\$4) or ((reliab\$4<br>or reliabil\$4)))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/10/21<br>10:27 |

|      |      |   |  |      |    |                     |
|------|------|---|--|------|----|---------------------|
| S117 | 59   | (equaliz\$5 same (decision or reliab\$5)) and (decod\$5 same (walsh or hadamard))                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | ON | 2008/10/21<br>15:53 |
| S118 | 27   | ((predetermin\$3 or predefin\$3) or(thresh\$4)) same (walsh or hadamard)) and (equaliz\$5 with (decision or reliab\$5)) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | ON | 2008/10/21<br>15:54 |
| S119 | 3    | ("5761248"   "6065147"   "6182261").PN.   | US-PGPUB;<br>USPAT; USOCR                                      | NEAR | ON | 2009/07/05<br>23:57 |
| S120 | 2135 | (code near vector) and encoding   | US-PGPUB;<br>USPAT; USOCR                                      | NEAR | ON | 2009/07/05<br>23:57 |
| S121 | 4    | (code near vector) and reencoding   | US-PGPUB;<br>USPAT; USOCR                                      | NEAR | ON | 2009/07/05<br>23:57 |

**7/ 6/ 2009 12:27:42 AM**

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